

AMENDMENTS TO THE CLAIMS

In the claims:

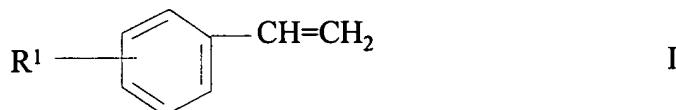
Please cancel claims 1-10, 15, 17 and 18 without prejudice.

Please amend claims 11-14 and 16, as indicated herein.

Please add claims 19-23, as indicated herein.

1-10 (Cancelled)

11. (Currently amended) A resin composition comprising the copolymerization reaction product of a monomer mixture comprising: (1) about 5% to about 25% by weight of a monomer compound of the formula:



wherein R¹ is H, C₁₋₁₀ linear or branched aliphatic or aromatic, OH or OR, wherein R is alkyl or acyl; and (2) about 75% to about 95% by weight ~~based on the total monomer content~~ of a cyclic diolefin component comprising at least about 50% by weight dicyclopentadiene, wherein the ~~reaction product~~ resin has a M_z of less than about 2,000, said resin made by the process comprising the steps of (i) providing a solvent to a reactor; (ii) heating said solvent to a temperature of about 200°C to about 265°C; and (iii) adding a the monomer mixture to the reactor comprising about 5 to about 25% by weight of the compound of formula I in combination with about 75 to about 95% dicyclopentadiene monomer, at a rate such that the concentration of free to consume the monomer compound of formula I monomer at the rate at which it is added in the reactor is held at a minimum at any given time of the reaction to minimize the formation of monomer compound homopolymer.

12. (Currently amended) The resin composition of claim 11 wherein ~~said resin composition~~ monomer compound of formula I is selected from the group consisting of styrene, α-methylstyrene, 4-methylstyrene, and mixtures thereof.

13. (Currently amended) The resin composition of claim 11 12 wherein said resin composition monomer compound is styrene.

14. (Currently amended) The resin composition of claim 12 wherein the monomer mixture ~~step (iii)~~ comprises adding about 5 to about 15% by weight of the monomer compound of formula I ~~in combination with and~~ about 75 85 to about 95% dicyclopentadiene monomer.

15. (Cancelled)

16. (Currently amended) The resin composition of claim 11 wherein said process further comprising comprises (iv) recovering at least a portion of the solvent and unconverted monomer reactants ~~selected from the group consisting of a compound of formula I and monomer content of a cyclic diolefin and recovered solvent~~ and (v) adding the recovered solvent and unconverted monomer reactants to the solvent of step (i).

17. (Cancelled)

18. (Cancelled)

19. (New) The resin composition according to Claim 1 wherein said cyclic diolefin is pure dicyclopentadiene or mixtures of dicyclopentadiene with codimers; wherein said codimers comprise cyclopentadiene and another diolefin selected from the group consisting of methylcyclopentadiene, indene, isoprene, butadiene, and piperylene.

20. (New) The resin composition according to Claim 1 wherein said resin composition has a Ring and Ball softening point in the range of about 90°C to 140°C.

21. (New) The resin composition according to Claim 1 wherein said resin composition has a Mz ranging from about 1,200 to about 2,000.

22. (New) The resin composition according to Claim 1 wherein said resin composition has a maximum Mw of about 1,000.

23. (New) The resin composition according to Claim 1 wherein said resin composition has a maximum polydispersity of about 2.5.